

THE BOTTOM LINE

Volume 21, Number 5, May 2015

- 777 Hematopoietic Stem Cell Transplantation in Nodal T Cell Non-Hodgkin Lymphomas: Revisiting the Issues**
Jacqueline Poston, Sonali M. Smith

REPORT

- 780 National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: III. The 2014 Biomarker Working Group Report**
Sophie Paczesny, Frances T. Hakim, Joseph Pidala, Kenneth R. Cooke, Julia Lathrop, Linda M. Griffith, John Hansen, Madan Jagasia, David Miklos, Steven Pavletic, Robertson Parkman, Estelle Russek-Cohen, Mary E.D. Flowers, Stephanie Lee, Paul Martin, Georgia Vogelsang, Marc Walton, Kirk R. Schultz

ASK THE EXPERT

- 793 Management of Relapsed Multiple Myeloma after Autologous Stem Cell Transplant**
Sarah A. Holstein, Paul G. Richardson, Jacob P. Laubach, Philip L. McCarthy

REVIEWS

- 799 Musculoskeletal, Neurologic, and Cardiopulmonary Aspects of Physical Rehabilitation in Patients with Chronic Graft-versus-Host Disease**
Sean Robinson Smith, Andrew J. Haig, Daniel R. Couriel
- 809 Treatment of Dyslipidemia in Allogeneic Hematopoietic Stem Cell Transplant Patients**
Bernard Lawrence Marini, Sung Won Choi, Craig Alan Byersdorfer, Simon Cronin, David G. Frame

BIOLOGY

- 821 Role of Natural Killer Cells in Intravenous Immunoglobulin-Induced Graft-versus-Host Disease Inhibition in NOD/LtSz-scidIL2rg^{-/-} (NSG) Mice**
Joëlle Gregoire-Gauthier, François Fontaine, Lionel Benchimol, Simon Nicoletti, Silvia Selleri, Mame Massar Dieng, Elie Haddad
- 829 Role of Donor Activating KIR–HLA Ligand–Mediated NK Cell Education Status in Control of Malignancy in Hematopoietic Cell Transplant Recipients**
Jacek Nowak, Katarzyna Kościńska, Renata Mika-Witkowska, Marta Rogatko-Koroś, Sylwia Mizia, Emilia Jaskuła, Małgorzata Polak, Monika Mordak-Domagala, Janusz Lange, Anna Gronkowska, Wiesław Wiktor Jędrzejczak, Sławomira Kyrz-Krzemień, Mirosław Markiewicz, Monika Dzierżak-Mietła, Agnieszka Tomaszewska, Barbara Nasiłowska-Adamska, Andrzej Szczepiński,

Continued

Kazimierz Hałaburda, Andrzej Hellmann, Anna Czyż, Lidia Gil,
Mieczysław Komarnicki, Jacek Wachowiak, Małgorzata Barańska, Jerzy Kowalczyk,
Katarzyna Drabko, Jolanta Goździk, Barbara Wysoczańska,
Katarzyna Bogunia-Kubik, Elżbieta Graczyk-Pol, Agnieszka Witkowska,
Anna Marosz-Rudnicka, Klaudia Nestorowicz, Joanna Dziopa, Urszula Szlendak,
Krzysztof Warzocha, Andrzej Lange, on behalf of the Polish Donor-Recipient
Matching Study Group

CLINICAL RESEARCH: ADULT

- 840** **Content of Endothelial Progenitor Cells in Autologous Stem Cell Grafts Predict Survival after Transplantation for Multiple Myeloma**
Egil S. Blix, Anders B. Kildal, Eirin Bertelsen, Anders Waage, June H. Myklebust, Arne Kolstad, Anne Husebekk
- 848** **Reevaluation of the Pretransplant Assessment of Mortality Score after Allogeneic Hematopoietic Transplantation**
Brandon K.C. Au, Ted A. Gooley, Philippe Armand, Min Fang, David K. Madtes, Mohamed L. Sorror, Michael J. Boeckh, Christopher J. Gibson, Hans Joachim Deeg, Rainer Storb, Frederick R. Appelbaum, Jason W. Chien, Paul J. Martin
- 855** **Comparison of Survival in Patients with T Cell Lymphoma after Autologous and Allogeneic Stem Cell Transplantation as a Frontline Strategy or in Relapsed Disease**
Amer Beitinjaneh, Rima M. Saliba, L. Jeffrey Medeiros, Francesco Turturro, Gabriela Rondon, Martin Korbling, Luis Fayad, Michelle A. Fanale, Amin M. Alousi, Paolo Anderlini, Oran Betul, Uday R. Popat, Barbara Pro, Issa F. Khouri
- 860** **Risk Factors for Steroid-Refractory Acute Graft-versus-Host Disease after Allogeneic Stem Cell Transplantation from Matched Related or Unrelated Donors**
Claire Calmettes, Stéphane Vigouroux, Myriam Labopin, Reza Tabrizi, Pascal Turlure, Xavier Lafarge, Gérald Marit, Arnaud Pigneux, Thibaut Leguay, Krime Bouabdallah, Marie-Sarah Dilhuydy, Cédric Duclos, Catherine Mohr, Axelle Lascaux, Pierre-Yves Dumas, Sophie Dimicoli-Salazar, Arnaud Saint-Lézer, Noël Milpied
- 866** **Monosomal Karyotype at the Time of Diagnosis or Transplantation Predicts Outcomes of Allogeneic Hematopoietic Cell Transplantation in Myelodysplastic Syndrome**
Celalettin Ustun, Bryan J. Trottier, Zohar Sachs, Todd E. DeFor, Leyla Shune, Elizabeth L. Courville, Shernan G. Holtan, Michelle Dolan, Daniel J. Weisdorf, Erica D. Warlick
- 873** **Absolute Lymphocyte Count Recovery after Allogeneic Hematopoietic Stem Cell Transplantation Predicts Clinical Outcome**
Haesook T. Kim, Philippe Armand, David Frederick, Emily Andler, Corey Cutler, John Koreth, Edwin P. Alyea III, Joseph H. Antin, Robert J. Soiffer, Jerome Ritz, Vincent T. Ho

- 881 Mobilization of Hematopoietic Stem Cells with Lenograstim in Healthy Donors: Efficacy and Safety Analysis According to Donor Age**
Massimo Martino, Erminio Bonizzoni, Tiziana Moscato, Anna Grazia Recchia, Roberta Fedele, Giuseppe Alberto Gallo, Giuseppe Console, Giuseppe Messina, Fortunato Morabito
- 889 Effect of Total Nucleated and CD34⁺ Cell Dose on Outcome after Allogeneic Hematopoietic Stem Cell Transplantation**
Mats Remberger, Johan Törlén, Olle Ringdén, Mats Engström, Emma Watz, Michael Uhlin, Jonas Mattsson

**CLINICAL RESEARCH:
PEDIATRIC**

- 894 Bone Mineral Density in Children with Fanconi Anemia after Hematopoietic Cell Transplantation**
Anna Petryk, Lynda E. Polgreen, Jessie L. Barnum, Lei Zhang, James S. Hodges, K. Scott Baker, John E. Wagner, Julia Steinberger, Margaret L. MacMillan
- 900 Using Fludarabine to Reduce Exposure to Alkylating Agents in Children with Sickle Cell Disease Receiving Busulfan, Cyclophosphamide, and Antithymocyte Globulin Transplant Conditioning: Results of a Dose De-Escalation Trial**
John T. Horan, Ann Haight, Jacqueline Lagerlof Dioguardi, Clark Brown, Audrey Grizzle, Chiani Shelman, Julie Kanter, Greg Hale, Michael Nieder, Melody Benton, Kimberly A. Kasow, Alistair Abraham, Kuang-Yueh Chiang
- 906 Phase II Trial of Graft-versus-Host Disease Prophylaxis with Post-Transplantation Cyclophosphamide after Reduced-Intensity Busulfan/Fludarabine Conditioning for Hematological Malignancies**
Amin M. Alousi, Jonathan E. Brammer, Rima M. Saliba, Borje Andersson, Uday Popat, Chitra Hosing, Roy Jones, Elizabeth J. Shpall, Issa Khouri, Muzaffar Qazilbash, Yago Nieto, Nina Shah, Sairah Ahmed, Betul Oran, Gheath Al Atrash, Stefan Ciurea, Partow Kebriaei, Julianne Chen, Gabriela Rondon, Richard E. Champlin
- 913 Incidence and Causes of Hospital Readmission in Pediatric Patients after Hematopoietic Cell Transplantation**
David Stephen Shulman, Wendy B. London, Dongjing Guo, Christine N. Duncan, Leslie E. Lehmann

**CLINICAL RESEARCH:
ALTERNATIVE DONORS**

- 920 Intensified Mycophenolate Mofetil Dosing and Higher Mycophenolic Acid Trough Levels Reduce Severe Acute Graft-versus-Host Disease after Double-Unit Cord Blood Transplantation**
Stephen Harnicar, Doris M. Ponce, Patrick Hilden, Junting Zheng, Sean M. Devlin, Marissa Lubin, Melissa Pozotrigio, Sherry Mathew, Nelly Adel, Nancy A. Kernan, Richard O'Reilly, Susan Prockop, Andromachi Scaradavou, Alan Hanash, Robert Jenq, Marcel van den Brink, Sergio Giralt, Miguel A. Perales, James W. Young, Juliet N. Barker

926 Higher Dose of Mycophenolate Mofetil Reduces Acute Graft-versus-Host Disease in Reduced-Intensity Conditioning Double Umbilical Cord Blood Transplantation

Nelli Bejanyan, John Rogosheske, Todd DeFor, Aleksandr Lazaryan, Kelli Esbaum, Shernan Holtan, Mukta Arora, Margaret L. MacMillan, Daniel Weisdorf, Pamala Jacobson, John Wagner, Claudio G. Brunstein

BRIEF ARTICLES

934 Bone Marrow Mesenchymal Stromal Cells from Patients with Acute and Chronic Graft-versus-Host Disease Deploy Normal Phenotype, Differentiation Plasticity, and Immune-Suppressive Activity

Ian B. Copland, Muna Qayed, Marco A. Garcia, Jacques Galipeau, Edmund K. Waller

941 Single-Agent High-Dose Cyclophosphamide for Graft-versus-Host Disease Prophylaxis in Human Leukocyte Antigen–Matched Reduced-Intensity Peripheral Blood Stem Cell Transplantation Results in an Unacceptably High Rate of Severe Acute Graft-versus-Host Disease

Kenneth F. Bradstock, Ian Bilmon, John Kwan, Kenneth Micklethwaite, Emily Blyth, Stephanie Deren, Angela Bayley, Val Gebiski, David Gottlieb

944 Cytochrome P450 2B6*5 Increases Relapse after Cyclophosphamide-Containing Conditioning and Autologous Transplantation for Lymphoma

Veronika Bachanova, Ryan Shanley, Farhana Malik, Lata Chauhan, Vishal Lamba, Daniel J. Weisdorf, Linda J. Burns, Jatinder Kaur Lamba

948 Association between Plasma Endothelin-1, Transforming Growth Factor- β , Fibroblast Growth Factor, and Nitric Oxide Levels and Liver Injury in Hematopoietic Stem Cell Transplantation Recipients with Persistent Iron Overload after Transplantation

Şahika Zeynep Akı, Elif Suyarı, Mustafa Cengiz, Seren Özenirler, Şehri Elbeğ, Hatice Paşaoğlu, Gülsan Türköz Sucak

LETTER TO THE EDITOR

954 Minor ABO Incompatibility Does Not Impact Nonrelapse Mortality in T Cell–Depleted Human Leukocyte Antigen–Matched Sibling Transplantation

Puja Chokshi, Prathima Anandi, Natasha Jain, Neil Dunavin, Robert Q. Le, Sawa Ito, John Barrett, Minoo Battiwalla

ASBMT NEWS

956 ASBMT News